

## EAST Search History

| Ref # | Hits | Search Query  | DBs                                       | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| S1    | 1    | ("5769525").PN.                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR               | OFF     | 2006/02/18 12:08 |
| S2    | 716  | (362/465,514,519,525).CCLS.                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR               | OFF     | 2006/02/18 12:08 |
| S3    | 2783 | (362/464,459,466-469,509,512,515,516,523,526).CCLS. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR               | OFF     | 2006/02/18 12:09 |
| S4    | 929  | S3 and (horizontal\$2 and vertical\$2)              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ              | ON      | 2006/02/18 12:10 |
| S5    | 175  | S3 and (horizontal\$2 and vertical\$2 and halogen)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ              | ON      | 2006/02/18 12:10 |
| S6    | 33   | S2 and S5   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ              | ON      | 2006/02/18 12:11 |
| S7    | 858  | S2 or S5  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ              | ON      | 2006/02/18 12:10 |
| S8    | 716  | (362/465,514,519,525).CCLS.                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR               | OFF     | 2006/02/18 13:49 |
| S9    | 2783 | (362/464,459,466-469,509,512,515,516,523,526).CCLS. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR               | OFF     | 2006/02/18 13:49 |
| S10   | 175  | S9 and (horizontal\$2 and vertical\$2 and halogen)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ              | ON      | 2006/02/18 13:49 |
| S11   | 33   | S8 and S10  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ              | ON      | 2006/02/18 13:49 |

## EAST Search History

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|-----|------|---|---|-----|-----|------------------|
| S12 | 858  | S8 or S10   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/02/18 13:49 |
| S13 | 825  | S12 not S11   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/02/18 14:05 |
| S14 | 716  | (362/465,514,519,525).CCLS.                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR  | OFF | 2006/02/18 14:06 |
| S15 | 2783 | (362/464,459,466-469,509,512,515,<br>516,523,526).CCLS. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR  | OFF | 2006/02/18 14:06 |
| S16 | 175  | S15 and (horizontal\$2 and<br>vertical\$2 and halogen)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/02/18 14:06 |
| S17 | 33   | S14 and S16   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/02/18 14:06 |
| S18 | 858  | S14 or S16  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/02/18 14:06 |
| S19 | 825  | S18 not S17   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/02/18 14:06 |
| S20 | 201  | S19 and ((high and low) with<br>beam)                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/02/18 14:07 |
| S21 | 1    | ("20020097585").PN.                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR  | OFF | 2006/02/18 15:52 |
| S22 | 716  | (362/465,514,519,525).CCLS.                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR  | OFF | 2006/02/18 15:52 |
| S23 | 2783 | (362/464,459,466-469,509,512,515,<br>516,523,526).CCLS. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR  | OFF | 2006/02/18 15:52 |

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|     |      |   |   |     |     |                  |
|-----|------|---|---|-----|-----|------------------|
| S24 | 175  | S23 and (horizontal\$2 and vertical\$2 and halogen) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/02/18 15:52 |
| S25 | 33   | S22 and S24   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/02/18 15:52 |
| S26 | 858  | S22 or S24  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/02/18 15:52 |
| S27 | 825  | S26 not S25   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/02/18 15:52 |
| S28 | 201  | S27 and ((high and low) with beam)                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/02/18 15:52 |
| S29 | 624  | S27 not S28   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/02/18 15:52 |
| S33 | 1    | ("5769525").PN.                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR  | OFF | 2006/07/25 10:55 |
| S34 | 746  | (362/465,514,519,525).CCLS.                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR  | OFF | 2006/07/25 10:55 |
| S35 | 2857 | (362/464,459,466-469,509,512,515,516,523,526).CCLS. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR  | OFF | 2006/07/25 10:55 |
| S36 | 965  | S35 and (horizontal\$2 and vertical\$2)             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/07/25 10:55 |
| S37 | 187  | S35 and (horizontal\$2 and vertical\$2 and halogen) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/07/25 10:55 |
| S38 | 897  | S34 or S37  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/07/25 10:55 |

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|     |      |   |   |     |     |                  |
|-----|------|---|---|-----|-----|------------------|
| S39 | 36   | S34 and S37   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/07/25 10:55 |
| S40 | 746  | (362/465,514,519,525).CCLS.                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR  | OFF | 2006/07/25 10:55 |
| S41 | 2857 | (362/464,459,466-469,509,512,515,<br>516,523,526).CCLS. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR  | OFF | 2006/07/25 10:55 |
| S42 | 187  | S41 and (horizontal\$2 and<br>vertical\$2 and halogen)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/07/25 10:55 |
| S43 | 36   | S40 and S42   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/07/25 10:55 |
| S44 | 897  | S40 or S42  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/07/25 10:55 |
| S45 | 861  | S44 not S43   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/07/25 10:55 |
| S46 | 746  | (362/465,514,519,525).CCLS.                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR  | OFF | 2006/07/25 10:55 |
| S47 | 2857 | (362/464,459,466-469,509,512,515,<br>516,523,526).CCLS. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR  | OFF | 2006/07/25 10:55 |
| S48 | 187  | S47 and (horizontal\$2 and<br>vertical\$2 and halogen)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/07/25 10:55 |
| S49 | 36   | S46 and S48   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/07/25 10:55 |
| S50 | 897  | S46 or S48  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/07/25 10:55 |

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|     |      |   |   |     |     |                  |
|-----|------|---|---|-----|-----|------------------|
| S51 | 861  | S50 not S49   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/07/25 10:55 |
| S52 | 214  | S51 and ((high and low) with beam)                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/07/25 10:55 |
| S53 | 1    | ("20020097585").PN.                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR  | OFF | 2006/07/25 10:55 |
| S54 | 746  | (362/465,514,519,525).CCLS.                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR  | OFF | 2006/07/25 10:55 |
| S55 | 2857 | (362/464,459,466-469,509,512,515,516,523,526).CCLS. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR  | OFF | 2006/07/25 10:55 |
| S56 | 187  | S55 and (horizontal\$2 and vertical\$2 and halogen) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/07/25 10:55 |
| S57 | 36   | S54 and S56   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/07/25 10:55 |
| S58 | 897  | S54 or S56  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/07/25 10:55 |
| S59 | 861  | S58 not S57   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/07/25 10:55 |
| S60 | 214  | S59 and ((high and low) with beam)                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/07/25 10:55 |
| S61 | 647  | S59 not S60   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ | ON  | 2006/07/25 10:55 |